

# SEQUENCE LISTING



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<120> Methods of Inhibiting Inflammation

<130> 18989-033

<140> 10/808,052

<141> 2004-03-24

<150> 60/457,048

<151> 2003-03-24

<160> 16

<170> PatentIn Ver. 2.1

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:chemically synthesized siRNA

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His Gly Lys Val Lys Glu Phe Tyr Ser Tyr Gln Asn Glu Ala Val Ala	130	135	140
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Glu Asn Val Xaa Leu Val Cys Pro Lys Asp Xaa Thr Arg Phe Xaa His  
35 40 45  
Leu Xaa Lys Xaa Xaa Tyr Asn Tyr Glu Ala Glu Ser Ser Ser Gly Val  
50 55 60  
Pro Gly Thr Ala Xaa Ser Arg Ser Ala Thr Arg Xaa Asn Cys Lys Xaa  
65 70 75 80  
Glu Leu Glu Val Pro Gln Leu Cys Ser Phe Ile Leu Lys Xaa Ser Gln  
85 90 95  
Cys Thr Leu Lys Glu Val Tyr Gly Phe Asn Pro Glu Gly Lys Ala Leu  
100 105 110  
Leu Lys Lys Thr Lys Asn Ser Xaa Glu Xaa Ala Ala Ala Met Ser Arg  
115 120 125  
Xaa Glu Leu Lys Leu Ala Ile Pro Glu Gly Lys Gln Val Phe Leu Tyr  
130 135 140  
Pro Glu Lys Asp Glu Pro Thr Tyr Ile Leu Asn Ile Lys Arg Gly Ile  
145 150 155 160  
Ile Ser Ala Leu Leu Val Pro Pro Glu Xaa Glu Glu Ala Lys Gln Xaa  
165 170 175  
Leu Phe Xaa Asp Thr Val Tyr Gly Asn Cys Ser Thr His Phe Thr Val  
180 185 190  
Lys Thr Arg Xaa Gly Asn Xaa Ala Thr Xaa Xaa Ser Thr Glu Arg Asp  
195 200 205  
Leu Gly Gln Cys Asp Arg Phe Lys Pro Ile Arg Thr Gly Ile Ser Pro  
210 215 220  
Xaa Ala Leu Ile Lys Gly Met Xaa Arg Pro Leu Ser Thr Leu Ile Xaa  
225 230 235 240  
Ser Xaa Gln Ser Cys Gln Xaa Thr Leu Asp Ala Lys Arg Lys His Val  
245 250 255  
Ala Glu Xaa Xaa Cys Lys Glu Gln  
260

<210> 12  
<211> 335  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (1)..(335)  
<223> Wherein Xaa is any amino acid.

<400> 12  
 Met Gly Cys Leu Leu Phe Leu Leu Leu Trp Ala Leu Leu Gln Ala Trp  
 1 5 10 15  
 Gly Ser Ala Glu Val Pro Gln Arg Leu Phe Pro Leu Arg Cys Leu Gln  
 20 25 30  
 Xaa Ser Xaa Phe Ala Asn Ser Ser Trp Thr Arg Thr Asp Xaa Leu Ala  
 35 40 45  
 Trp Xaa Gly Glu Leu Gln Xaa His Ser Trp Ser Asn Asp Xaa Asp Thr  
 50 55 60  
 Val Xaa Ser Leu Xaa Pro Xaa Xaa Gln Gly Thr Phe Ser Asp Gln Gln  
 65 70 75 80  
 Trp Glu Thr Leu Gln His Ile Phe Arg Val Tyr Arg Ser Ser Phe Thr  
 85 90 95  
 Arg Asp Val Lys Xaa Phe Ala Lys Met Leu Arg Xaa Ser Tyr Pro Xaa  
 100 105 110  
 Glu Leu Gln Val Ser Ala Gly Cys Glu Val His Pro Gly Asn Ala Xaa  
 115 120 125  
 Asn Asn Phe Phe His Val Ala Phe Gln Gly Lys Asp Ile Leu Ser Phe  
 130 135 140  
 Gln Gly Thr Ser Trp Glu Pro Thr Gln Glu Ala Pro Leu Trp Val Asn  
 145 150 155 160  
 Leu Ala Ile Gln Val Leu Asn Gln Xaa Lys Xaa Thr Arg Glu Thr Val  
 165 170 175  
 Gln Xaa Leu Leu Asn Gly Thr Cys Pro Gln Phe Val Ser Gly Leu Leu  
 180 185 190  
 Glu Ser Gly Lys Ser Glu Leu Lys Lys Gln Val Lys Pro Lys Ala Trp  
 195 200 205  
 Leu Ser Arg Gly Pro Xaa Pro Gly Pro Gly Arg Xaa Leu Leu Xaa Cys  
 210 215 220  
 His Val Ser Gly Phe Tyr Pro Lys Pro Val Trp Val Lys Trp Met Xaa  
 225 230 235 240  
 Gly Glu Gln Glu Gln Gln Gly Thr Gln Pro Gly Asp Xaa Leu Pro Asn  
 245 250 255  
 Ala Asp Glu Thr Trp Tyr Leu Arg Ala Thr Leu Xaa Xaa Val Ala Gly  
 260 265 270  
 Glu Ala Ala Gly Leu Ser Cys Arg Val Lys His Ser Ser Leu Glu Gly  
 275 280 285  
 Gln Asp Xaa Val Leu Tyr Trp Gly Gly Xaa Tyr Thr Ser Met Gly Leu  
 290 295 300  
 Ile Xaa Leu Xaa Val Leu Ala Cys Leu Leu Phe Leu Leu Ile Val Gly  
 305 310 315 320  
 Xaa Thr Ser Arg Phe Lys Arg Gln Thr Ser Tyr Gln Xaa Xaa Leu  
 325 330 335

<210> 13  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (1)..(210)  
 <223> Wherein Xaa is any amino acid.

<400> 13  
 Lys Cys Val Gln Ser Xaa Lys Pro Ser Leu Met Ile Gln Lys Ala Xaa  
   1                  5                  10                  15  
 Xaa Gln Ala Leu Arg Lys Met Glu Pro Lys Asp Lys Asp Gln Glu Val  
           20                  25                  30  
 Leu Leu Gln Thr Phe Leu Asp Asp Ala Ser Pro Gly Asp Xaa Arg Xaa  
           35                  40                  45  
 Ala Ala Xaa Leu Met Xaa Xaa Arg Ser Pro Ser Gln Ala Asp Xaa Asn  
   50                  55                  60  
 Lys Ile Val Gln Xaa Leu Pro Trp Glu Gln Asn Glu Gln Val Lys Asn  
   65                  70                  75                  80  
 Xaa Val Ala Xaa His Ile Ala Asn Xaa Leu Asn Ser Glu Glu Xaa Asp  
           85                  90                  95  
 Xaa Gln Asp Leu Lys Lys Leu Val Xaa Glu Ala Xaa Lys Glu Ser Gln  
          100                 105                 110  
 Leu Pro Thr Val Met Asp Phe Arg Lys Phe Ser Arg Asn Tyr Gln Leu  
  115                 120                 125  
 Tyr Lys Ser Val Xaa Leu Pro Ser Leu Asp Pro Xaa Ser Xaa Lys Ile  
  130                 135                 140  
 Glu Gly Asn Leu Xaa Phe Asp Pro Asn Asn Xaa Leu Pro Lys Glu Ser  
 145                 150                 155                 160  
 Met Xaa Xaa Thr Thr Leu Thr Ala Phe Gly Phe Ala Ser Xaa Asp Xaa  
          165                 170                 175  
 Xaa Glu Ile Xaa Leu Glu Gly Lys Gly Phe Glu Pro Thr Leu Xaa Ala  
          180                 185                 190  
 Xaa Phe Gly Lys Gln Xaa Phe Phe Pro Xaa Ser Val Asn Lys Ala Leu  
  195                 200                 205  
 Tyr Trp  
  210

<210> 14  
 <211> 301  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (1)..(301)  
 <223> Wherein Xaa is any amino acid.

<400> .14  
 Phe Ser Tyr Asn Asn Lys Tyr Gly Met Val Ala Gln Val Thr Gln Thr  
 1 5 10 15  
 Leu Lys Leu Glu Asp Thr Pro Lys Ile Asn Ser Arg Phe Phe Gly Glu  
 20 25 30  
 Gly Thr Xaa Lys Met Gly Leu Ala Xaa Glu Ser Thr Lys Ser Thr Ser  
 35 40 45  
 Pro Pro Lys Xaa Ala Glu Ala Val Xaa Xaa Xaa Leu Gln Glu Leu Lys  
 50 55 60  
 Lys Leu Thr Ile Ser Xaa Gln Xaa Ile Gln Arg Ala Xaa Leu Phe Asn  
 65 70 75 80  
 Xaa Xaa Val Thr Glu Leu Arg Gly Leu Ser Asp Glu Ala Val Thr Ser  
 85 90 95  
 Xaa Leu Pro Gln Leu Ile Glu Xaa Ser Ser Pro Xaa Xaa Leu Gln Ala  
 100 105 110  
 Leu Val Gln Cys Gly Xaa Pro Gln Cys Ser Thr His Ile Xaa Gln Xaa  
 115 120 125  
 Leu Lys Xaa Val His Ala Asn Pro Leu Leu Ile Asp Val Val Thr Tyr  
 130 135 140  
 Leu Val Ala Leu Xaa Pro Glu Pro Ser Ala Gln Gln Xaa Arg Glu Ile  
 145 150 155 160  
 Phe Asn Met Ala Arg Xaa Gln Arg Ser Arg Ala Thr Leu Tyr Ala Leu  
 165 170 175  
 Ser His Ala Val Asn Asn Tyr His Lys Xaa Asn Pro Xaa Gly Thr Gln  
 180 185 190  
 Glu Leu Xaa Asp Ile Ala Asn Xaa Leu Met Glu Gln Ile Gln Asp Asp  
 195 200 205  
 Cys Xaa Gly Asp Glu Asp Tyr Thr Tyr Leu Xaa Leu Arg Xaa Ile Gly  
 210 215 220  
 Asn Met Gly Gln Thr Met Glu Gln Leu Thr Pro Glu Leu Lys Ser Xaa  
 225 230 235 240  
 Ile Leu Lys Cys Val Gln Ser Thr Lys Pro Ser Xaa Xaa Ile Gln Lys  
 245 250 255  
 Ala Ala Ile Gln Xaa Leu Arg Lys Met Glu Pro Lys Asp Lys Asp Gln  
 260 265 270  
 Xaa Xaa Xaa Leu Gln Thr Phe Leu Asp Asp Ala Ser Pro Gly Asp Lys  
 275 280 285  
 Arg Leu Ala Ala Tyr Leu Met Leu Xaa Arg Ser Pro Ser  
 290 295 300

<210> 15  
 <211> 335  
 <212> PRT  
 <213> Homo sapiens

<220> .  
 <221> VARIANT  
 <222> (1)..(335)  
 <223> Wherein Xaa is any amino acid.

<400> 15

Met	Gly	Cys	Leu	Leu	Phe	Leu	Leu	Leu	Trp	Ala	Leu	Leu	Gln	Ala	Trp
1				5					10					15	
Gly	Ser	Ala	Glu	Val	Pro	Gln	Arg	Leu	Phe	Pro	Leu	Arg	Cys	Leu	Gln
			20					25					30		
Ile	Ser	Ser	Phe	Ala	Asn	Ser	Ser	Trp	Thr	Arg	Thr	Asp	Gly	Leu	Ala
		35					40					45			
Trp	Leu	Gly	Glu	Leu	Gln	Thr	His	Xaa	Trp	Ser	Asn	Asp	Ser	Asp	Thr
	50					55					60				
Val	Arg	Xaa	Xaa	Lys	Pro	Trp	Ser	Gln	Gly	Thr	Phe	Ser	Asp	Gln	Gln
	65				70					75					80
Trp	Glu	Thr	Leu	Gln	His	Ile	Phe	Arg	Val	Tyr	Arg	Ser	Ser	Phe	Thr
				85					90						95
Xaa	Asp	Xaa	Lys	Glu	Xaa	Ala	Lys	Xaa	Xaa	Arg	Leu	Ser	Tyr	Pro	Leu
			100					105					110		
Glu	Leu	Gln	Xaa	Ser	Ala	Gly	Cys	Glu	Xaa	His	Pro	Gly	Asn	Ala	Ser
		115					120					125			
Asn	Asn	Phe	Phe	His	Val	Ala	Phe	Gln	Gly	Lys	Asp	Ile	Leu	Ser	Phe
	130					135					140				
Gln	Gly	Thr	Ser	Xaa	Glu	Pro	Xaa	Gln	Glu	Ala	Pro	Xaa	Trp	Val	Asn
	145				150					155					160
Leu	Ala	Xaa	Gln	Xaa	Leu	Asn	Gln	Asp	Lys	Trp	Thr	Xaa	Glu	Thr	Xaa
				165					170					175	
Gln	Trp	Leu	Leu	Asn	Gly	Thr	Cys	Pro	Gln	Phe	Val	Ser	Gly	Leu	Leu
		180						185					190		
Glu	Ser	Gly	Lys	Ser	Glu	Leu	Lys	Lys	Gln	Val	Lys	Pro	Lys	Xaa	Trp
		195					200					205			
Leu	Ser	Arg	Gly	Pro	Xaa	Pro	Xaa	Pro	Gly	Arg	Leu	Leu	Leu	Xaa	Cys
	210					215					220				
His	Val	Ser	Gly	Xaa	Tyr	Pro	Lys	Pro	Val	Trp	Val	Lys	Trp	Xaa	Xaa
	225				230					235					240
Gly	Glu	Gln	Glu	Gln	Gln	Gly	Thr	Gln	Pro	Xaa	Asp	Xaa	Xaa	Pro	Asn
				245					250					255	
Xaa	Asp	Glu	Thr	Trp	Tyr	Leu	Arg	Ala	Thr	Leu	Xaa	Val	Xaa	Ala	Gly
			260					265					270		
Glu	Ala	Xaa	Gly	Leu	Ser	Cys	Arg	Val	Lys	His	Ser	Ser	Leu	Xaa	Gly
		275					280					285			
Gln	Asp	Ile	Val	Leu	Tyr	Trp	Gly	Gly	Ser	Tyr	Thr	Ser	Met	Gly	Leu
	290					295					300				

Ile Ala Leu Ala Val Leu Ala Cys Leu Leu Phe Leu Leu Ile Val Gly  
 305 310 315 320

Phe Thr Ser Arg Phe Lys Arg Gln Thr Ser Tyr Gln Gly Val Leu  
 325 330 335

<210> 16

<211> 335

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (1)..(335)

<223> Wherein Xaa is any amino acid.

<400> 16

Met Gly Cys Leu Leu Phe Leu Leu Leu Trp Ala Leu Leu Gln Ala Trp  
 1 5 10 15

Gly Ser Ala Glu Val Pro Gln Arg Leu Phe Pro Leu Arg Cys Leu Gln  
 20 25 30

Ile Ser Ser Phe Ala Asn Ser Ser Trp Thr Xaa Thr Asp Gly Leu Ala  
 35 40 45

Xaa Leu Gly Glu Leu Gln Thr His Ser Trp Ser Xaa Asp Ser Asp Thr  
 50 55 60

Xaa Xaa Xaa Leu Lys Pro Trp Ser Gln Gly Thr Phe Ser Xaa Gln Xaa  
 65 70 75 80

Trp Glu Thr Leu Xaa His Ile Phe Xaa Xaa Tyr Arg Ser Ser Phe Thr  
 85 90 95

Arg Asp Val Lys Glu Phe Ala Lys Xaa Leu Arg Leu Ser Tyr Pro Xaa  
 100 105 110

Glu Leu Gln Xaa Xaa Ala Gly Cys Glu Val His Pro Gly Xaa Ala Ser  
 115 120 125

Asn Asn Phe Phe His Xaa Ala Xaa Gln Gly Xaa Asp Ile Leu Ser Phe  
 130 135 140

Gln Gly Thr Ser Trp Glu Pro Thr Gln Glu Ala Pro Xaa Trp Val Asn  
 145 150 155 160

Leu Ala Ile Gln Xaa Leu Asn Gln Asp Lys Trp Thr Arg Xaa Thr Val  
 165 170 175

Gln Trp Leu Leu Asn Gly Thr Cys Pro Gln Phe Val Ser Gly Leu Leu  
 180 185 190

Glu Xaa Gly Lys Xaa Glu Leu Lys Lys Gln Xaa Lys Pro Lys Ala Xaa  
 195 200 205

Leu Ser Arg Gly Pro Ser Pro Gly Pro Gly Arg Leu Leu Leu Val Cys  
 210 215 220

His Val Xaa Gly Phe Tyr Pro Lys Pro Val Trp Xaa Lys Trp Xaa Arg  
 225 230 235 240

Gly Glu Gln Glu Gln Gln Gly Thr Gln Pro Gly Asp Ile Leu Pro Asn

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